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## UTILITY PATENT APPLICATION **TRANSMITTAL**

MN1-004US Attorney Docket No. Tarokh First Inventor Complementary Beamforming Methods and Apparatuses

(Only for new nonprovisional applications under 37 CFR 1.53(b))	Express Mail Label No.		
APPLICATION ELEMENTS	Mail Stop Patent Application  ADDRESS TO: Commissioner for Patents/P.O. Box 1450		
See MPEP chapter 600 concerning utility patent application contents.	Alexandria, VA 22313-1450		
1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)	<ol> <li>CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</li> </ol>		
2. Applicant claims small entity status. See 37 CFR 1.27.	Nucleotide and/or Amino Acid Sequence Submission     (if applicable, all necessary)		
3. Specification [Total Pages 76]	a. Computer Readable Form (CRF)		
<ul> <li>Descriptive title of the invention</li> <li>Cross Reference to Related Applications</li> </ul>	b. Specification Sequence Listing on:		
<ul> <li>Statement Regarding Fed sponsored R &amp; D</li> </ul>	i. CD-ROM or CD-R (2 copies); or		
<ul> <li>Reference to sequence listing, a table, or a computer program listing appendix</li> </ul>	ii.		
Background of the Invention     Brief Summary of the Invention	c. Statements verifying identity of above copies		
<ul> <li>Brief Description of the Drawings (if filed)</li> </ul>	ACCOMPANYING APPLICATION PARTS		
<ul> <li>Detailed Description</li> <li>Claim(s)</li> </ul>	9. ✓ Assignment Papers (cover sheet & document(s))		
- Abstract of the Disclosure	10. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney		
4. ✓ Drawing(s) (35 U.S.C. 113) [ Total Sheets 29 ]	11. English Translation Document (if applicable)		
5. Oath or Declaration [ Total Pages 6 ]	12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations		
a. Wewly executed (original or copy)	13. Preliminary Amendment		
b. Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 18 completed)	14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)		
i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s)	15. Certified Copy of Priority Document(s) (if foreign priority is claimed)		
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).	16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35		
6. Application Data Sheet. See 37 CFR 1.76	or its equivalent.		
6. Application Data Sheet. See 37 CFR 1.76	17 Other:		
18. If a CONTINUING APPLICATION, check appropriate box, and sup	ply the requisite information below and in a preliminary amendment,		
or in an Application Data Sheet under 37 CFR 1.76:  Continuation Divisional Continuation-in-part (CIP)			
S. P. C. Spindage in Co.			
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of t	Group Art Unit:		
Box 5b, is considered a part of the disclosure of the accompanying contin The incorporation <u>can only</u> be relied upon when a portion has been inadve	uation or divisional application and is hereby incorporated by reference		
19. CORRESPOND			
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Name (Print/Type) Thomas A. Jolly	Registration No. (Attorney/Agent) 39,241		
Signature  Date 11/3/2003  Burden Hour Statement: This form is estimated to take 0.2 hours to pomplete. Time will vary depending upon the needs of the individual case. Any comments of			
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Effective 10/01/2003. Patent fees are subject to annual revision.

✓ Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** 

Name (Print/Type)

Signature

Thomas A. Jolly

(\$) 965.00	)
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Co	omplete if Known
Application Number	Not Yet Assigned
Filing Date	Not Yet Assigned
First Named Inventor	Tarokh
Examiner Name	Not Yet Assigned
Art Unit	Not Yet Assigned
Attorney Docket No.	MN1-004US

METHOD OF PAYMENT (check all that apply)	NT (check all that apply) FEE CALCULATION (continued)					
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Account Name Lee & Hayes, PLLC		. [			cover sheet	<del> </del>
The Director is authorized to: (check all that apply)			1053		Non-English specification	<del>                                     </del>
Charge fee(s) indicated below	1812 2,5		1812 2		For filing a request for ex parte reexamination	$\vdash$
Charge any additional fee(s) or any underpayment of fee(s)	1804 9	920*	1804	920-	Requesting publication of SIR prior to Examiner action	ļ
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805 1,8	340*	1805	1,840*	Requesting publication of SIR after Examiner action	
FEE CALCULATION	1251 1	110	2251	55	Extension for reply within first month	
1. BASIC FILING FEE	1252 4	120	2252	210	Extension for reply within second month	<u> </u>
Large Entity Small Entity	1253 9	950	2253	475	Extension for reply within third month	<u> </u>
Fee Fee Fee Fee Pee Paid Code (\$) Code (\$)	1254 1,4	180	2254	740	Extension for reply within fourth month	
1001 770 2001 385 Utility filing fee 385	1255 2,0	10	2255	1,005	Extension for reply within fifth month	<b></b>
1002 340 2002 170 Design filing fee	1401 3	330	2401	165	Notice of Appeal	
1003 530 2003 265 Plant filing fee	1402 3	330	2402	165	Filing a brief in support of an appeal	
1004 770 2004 385 Reissue filing fee	1403 2	290	2403	145	Request for oral hearing	
1005 160 2005 80 Provisional filing fee	1451 1,5	510	1451	1,510	Petition to institute a public use proceeding	
SUBTOTAL (1) (\$) 385.00	1452 1	110	2452	55	Petition to revive - unavoidable	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1453 1,3	330	2453	665	Petition to revive - unintentional	
Fee from	1501 1,3	330	2501	665	Utility issue fee (or reissue)	
Extra Claims below Fee Paid  Total Claims 80 -20** = 60 x 9 = 540		180	2502		Design issue fee	
Independent 2 22 0 V 43		340	2503		Plant issue fee	
Claims LZ -3" = U A LT - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		130	1460		Petitions to the Commissioner	
Large Entity   Small Entity		50	1807		Processing fee under 37 CFR 1.17(q)	
Fee Fee Fee Fee Description	1806 18	80	1806		Submission of Information Disclosure Stmt	<u> </u>
Code (\$)	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40
1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3	1809 7	70	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1203 290 2203 145 Multiple dependent claim, if not paid	1810 7	70	2810	385	For each additional invention to be	
1204 86 2204 43 ** Reissue independent claims over original patent			2801		examined (37 CFR 1.129(b)) Request for Continued Examination (RCE)	<del>                                     </del>
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent			1802	900	Request for expedited examination	
Other for (see 15)						
SUBIOTAL (2) (\$) 540.00						
or Humber previously paid, in greater, i or Neissues, see above						
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39,241

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